JMM WETLAND CONSULTING SERVICES, LLC

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September 27, 2019

Mr. Peter DeMallie
Design Professional
12 Jeffrey Drive
South Windsor, CT 06074

RE: ***Site Visit, E&S Recommendations***
1800 Asylum Avenue, West Hartford, Connecticut

JMM Job # 19-2502-WHT-1

Dear Mr. DeMallie:

Per your request, JMM Wetland Consulting Services, LLC (JMM) conducted an on-site investigation at the above-referenced site September 26th, 2019. The purpose of the investigation was to review an area located to the west of the existing Social Work building, which is scheduled for demolition and PCB contaminated soils removal (i.e., JMM Study Area). Specifically, the study area was reviewed for the purpose of recommending appropriate erosion & sedimentation controls since the area of contaminated soil removal is adjacent to a regulated wetland, delineated by others in the past.

JMM reviewed Sections 7.5g. and 7.5i. of the West Hartford Inland Wetlands and Watercourses Regulations adopted June 19th, 1974, and amended through April 1st, 2013. The following conclusions are as follows:

1. There is no alternative to the proposed activity, as an extensive study was completed by Eagle Environmental, Inc. to identify the location of extent of PCB contaminated soils, which must be remediated in accordance with applicable CT-DEEP regulations. The JMM study area encompasses the identified location, which is west of the Social Work

Building. All the proposed soil removal is either within the upland review area (URA) or adjacent to the wetland boundary.

2. The wetland area proximal to the proposed remediation activities is a poorly drained mowed wet meadow, which extends to the south and north outside of the study area. The wetland has experienced past disturbances, including routine mowing. The overall wetland's main functions and values include: *ground water recharge/discharge*, *sediment/toxicant retention*, and *nutrient removal/retention/transformation*. It is JMM's professional opinion that with diligent monitoring of the erosion & sedimentation controls, the proposed contaminated soil removal will have no short (during remediation) and long-term (after remediation) adverse impacts upon the regulated resource or the functions and values it provides. We should note that the areas of demolition, of soil removal, and the wetland itself are characterized by gentle slopes to nearly flat topography, which greatly minimizes the risk of soil migration outside of the limits of the proposed work.

3. For erosion & sedimentation control, JMM recommends the installation of approximately 285 linear feet of silt fence (Super Silt Fence) near or at the wetland boundary. We note that Super Silt Fence is a combination of chain link and synthetic woven filtration fabric, which is very robust and resistant to collapse. In addition, JMM recommends a secondary erosion & sedimentation control be installed immediately in front of the silt fence (i.e., to the east). This will consist of approximately 285 linear feet of 12-inch tall Excelsior Wattle, secured with wooden stakes. The wattle is a tube which can be filled with appropriate materials, such as coconut fibers or woodchips. JMM recommends that the silt fence be installed by the manufacturer's recommendations, and the wattle be slightly (i.e., by 2 to 3 inches) entrenched into the surface of the soils. In addition, we note that the sections of the wattles, at the ends, overlap by at least 2 feet. It is JMM's opinion that the above described and recommended E&S controls will prevent even fine textured soils from migrating to the regulated wetland area. These E&S controls will be monitored weekly and/or after a significant storm event (i.e., 1-inch storm or greater) until such time the exposed soils are stabilized with a vegetative cover.

As part of our review, JMM has had the opportunity to view the Erosion & Sedimentation Control Plan (sheet C-ES1), prepared by Design Professionals, and dated September 26th, 2019, which depicts the above-mentioned activities and the E&S controls.

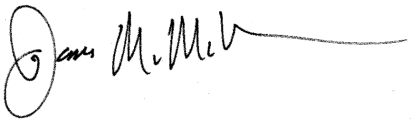
In conclusion it is JMM's professional opinion that the proposed demolition and contaminated soil removal west of the Social Work Building will have no significant and/or adverse physical

impacts to the regulated resource, that is, the mowed wet meadow wetland. The erosion & sedimentation controls will be monitored throughout the construction period and until all exposed soils within the removal area are stable.

Please call us if you have any questions on the above or need further assistance.

Respectfully submitted,

JMM WETLAND CONSULTING SERVICES, LLC



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